

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please rewrite claims 1-6 to read as follows:

### **Listing of Claims:**

1. (currently amended) A high-temperature secondary battery based energy storage and power compensation system, comprising:

an A.C. electric power supply system;

an electric load-;

an electric energy storage system including a high-temperature secondary battery and a power conversion system,

wherein the electric power supply system, the electric load and the electric energy storage system are electrically connected, and from which, when operating normally, A.C. electric power is supplied directly from the electric power supply system to the electric load while the electric energy storage system operates to effect peak shaving ~~running~~ and load leveling ~~running~~; and

a high speed switch provided between the electric power supply system and the electric energy storage system;

wherein, when a voltage sag or a service interruption occurs in the electric power being supplied to the electric load from the electric power supply system, the voltage sag is immediately detected, the high speed switch circuit is temporarily shut off, opened and electric power is immediately supplied from the electric energy storage system to the electric load in order to compensate for the voltage sag or the service interruption.

2. (currently amended) A high-temperature secondary battery based energy storage and power compensation system according to claim 1, wherein the high-temperature secondary battery ~~is~~ comprises a sodium sulfur battery.

3. (currently amended) A high-temperature secondary battery based energy storage and power compensation system according to claim 1, wherein the electric energy storage system for compensating for the voltage sag or the service interruption is a system capable of

outputting a compensation electric power which is 3 to 8 times a rated electric power of the electric energy storage system during peak shaving ~~running~~ and the load leveling ~~running~~. |

4. (currently amended) A high-temperature secondary battery based energy storage and power compensation system according to claim 1, further comprising: |

a back-up generator ~~which is connected to the circuit~~ on the electric power compensation side of the high speed switch; |

a voltage compensation controller capable of detecting ~~a circuit shut-off effected by~~ when the high speed switch is opened, and sending a command in accordance with a detection signal to cause the electric energy storage system to discharge an entire electric load, and, at the same time, starting the back-up generator, so that if the electric power supply is not restored within a predetermined time period, the back-up generator is connected in parallel with the system, while at the same time the electric power supply from the electric energy storage system is stopped. |

5. (currently amended) A high-temperature secondary battery based energy storage and power compensation system comprising the electric power supply system, the electric load, and the electric energy storage system including the high-temperature secondary battery and ~~the a power conversion system;~~, all of which ~~being are~~ electrically connected with one another so as to supply an electric power from the electric power supply system to the electric load under normal operation conditions, and operating the electric energy storage system in order to effect peak shaving ~~running~~ and load leveling ~~running~~ according to claim 1, wherein said system further comprises a control function capable of coping with a fluctuation derived from an event such as a spike and a frequency fluctuation in the electric power supplied, by detecting immediately such an event, and sending a signal based on detection to the electric energy storage system in order to compensate for the fluctuation. |

6. (currently amended) A high-temperature secondary battery based energy storage and power compensation system according to claim 1, wherein spare high temperature batteries connected in parallel with module high temperature batteries are provided so as to cope with

a case that module batteries fail, by switching from failed module batteries to the spare high temperature batteries.